

#2

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
29025-1

In Re Application Of: BAUGHMAN, PAMELA M

NOV 27 2001

Serial No.  
09/944,491

Filing Date  
08/27/2001

Examiner  
UNKNOWN

Group Art Unit  
2673

Title: WEARABLE ERGONOMIC COMPUTER MOUSE

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

the statement specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
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In Re Application: **BAUGHMAN, PAMELA M**

Serial No. **09/944,491** Filing Date **08/27/2001**

Examiner  
**UNKNOWN**

Group Art Unit  
**2673**

**WEARABLE ERGONOMIC COMPUTER MOUSE**

**Payment of Fee**  
(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- A check in the amount of \_\_\_\_\_ is attached.
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*Sharon F Hutto*

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SHARON F HUTTO

\_\_\_\_\_  
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\*This certificate may only be used if paying by deposit account.

*michael a man*  
\_\_\_\_\_  
Signature

Dated: **11/13/01**

**MICHAEL A MANN**

**REG. NO. 32,825**

**NEXSEN PRUET JACOBS & POLLARD LLC**

**PO DRWR 2426**

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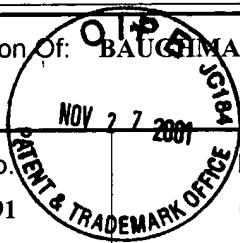
cc:

2673

**TRANSMITTAL LETTER  
(General - Patent Pending)**

Docket No.  
29025-1

In Re Application Of: BAUCHMAN, PAMELA M



Serial No.  
09/944,491

Filing Date  
08/27/2001

Examiner  
UNKNOWN

Group Art Unit  
2673

Title: WEARABLE ERGONOMIC COMPUTER MOUSE

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TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

**TRANSMITTAL LETTER; TRANSMITTAL OF IDS STATEMENT; INFORMATION DISCLOSURE  
CITATION; COPIES OF 22 PATENTS; IDS STATEMENT; CERTIFICATE OF 1ST CLASS MAILING**

in the above identified application.

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  - Credit any overpayment.
  - Charge any additional fee required.

Signature

Dated: 11/13/01

MICHAEL A MANN  
REG. NO.: 32,825  
NEXSEN PRUET JACOBS & POLLARD  
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Signature of Person Mailing Correspondence

SHARON F HUTTO

Typed or Printed Name of Person Mailing Correspondence

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November 13, 2001

Application No.: 09/944,491  
Atty. Docket No.: 29025-1

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The following references are believed to be relevant to the subject application:

1. US 6,266,047 issued to Benja-Athon on July 24, 2001, for a mouse controlled by a thumb and little finger. This device is a typical computer mouse with different locations for the mouse buttons.
2. US 6,262,715 issued to Sawyer on July 17, 2001, for an ergonomic computer mouse on which the edge of the user's palm rests on the base of the mouse while gripping the body of the mouse.
3. US 6,154,199 issued to Butler on November 28, 2000, for a hand positioning mouse. This device is essentially a half glove with a trackball on the side of the index finger opposing the thumb.
4. US 6,141,643 issued to Harmon on October 31, 2000, for a data input glove having conductive finger pads and thumb pad.
5. US 6,097,369 issued to Wambach on August 1, 2000, for a computer mouse glove.
6. US 6,072,471 issued to Lo on June 6, 2000, for an ambidextrous upright computer mouse. This mouse operates on a surface when the user's hand is held in the thumb upright orientation.
7. US 5,945,978 issued to Holmes on August 31, 1999, for a haptic computer output device, which is a glove with switches and sensors incorporated into the fingers and thumb.
8. US 5,832,296 issued to Wang et al on November 3, 1998, for a wearable context sensitive user interface for interacting with a plurality of electrical devices. The device is worn as a ring on the finger of the user.
9. US 5,796,354 issued to Cartabiano et al on August 18, 1998, for a band-attachable controller with direction sensing with wrist straps for securement to the user's hand. The device is glove-like and operated with the user's hand resting, palm down, on a base.
10. US 5,764,164 issued to Cartabiano et al on June 9, 1998 for an ergonomic hand-attachable controller, also with a wrist strap. This device has straps to hold a base to the hand. The base has buttons that, when pressed perform certain functions.

11. US 5,754,126 issued to Hillbrink et al on May 19, 1998, teaches a palm supported mouse with thumb activated switch. This device supports a mouse in the palm of the hand but not on the edge of the palm.

12. US 5,706,026 issued to Kent et al on January 6, 1998, for a finger operated digital input device worn on the fingertip of the user, secured to the hand with wrist straps.

13. US 5,648,798 issued to Hamling on July 15, 1997, for a universal ergonomic computer mouse/trackball. The user rests the edge of his palm on the base on the device and then, with the palm in the thumb up position, operated the mouse buttons.

14. US 5,638,092 issued to Eng et al on June 10, 1997, for a cursor control system worn on the finger of the user like a ring.

15. US 5,581,484 issued to Prince on December 3, 1996, for a finger-mounted computer input device, which is essentially a glove. The fingertips contain position sensors.

16. US 5,576,733 issued to Lo on November 19, 1996, for an ergonomic computer mouse. This device also rests on a surface and is held by the user in a generally thumbs up orientation. The buttons on the mouse are on its sides.

17. US 5,489,922 issued to Zloof on February 6, 1996, for a hand worn remote computer mouse. The contacts are worn on the fingers of the user like rings and are secured to the hand with wrist straps.

18. US 5,481,265 issued to Russell on January 2, 1996, for an ergonomic customizable user/computer interface device worn on the fingers of the user. This device is a small pedestal that contains mouse buttons. It can be raised or lowered and used by either hand with the hand placed with the index finger knuckle against it, palm down.

19. US 5,444,462 issued to Wambach on August 22, 1995, for a computer mouse glove with remote communication and buttons in the sides of the fingers.

20. US 5,355,147 issued to Lear on October 11, 1994, for an ergonomic computer mouse. This device is shaped in a loop held like a coffee mug so that the thumb is up.

21. US 4,954,817 issued to Levine on September 4, 1990, for a thumb and index finger worn graphic interface device. The index finger of the user can support a palette and the thumb, a stylus for contacting the palette.

22. US 4,905,001 issued to Penner on February 27, 1990, for a hand-held finger movement actuated communication device that is an alternative to a keyboard. The device includes a wrist strap and at least one finger strap for securing a switch to the index finger. This switch may be activated by contact with the user's thumb. There is no trackball included.

No attempt has been made to identify every relevant feature in the documents listed. The attached documents may contain relevant information other than that which caused them to be selected and may be of interest with respect to one or more features of the applicant's invention(s). Accordingly, the Examiner is urged to review the documents identified and to form his or her own conclusions regarding the relevance thereof.

It is believed that the attached documents do not disclose or make obvious applicant's invention(s). Accordingly, examination of the claims on the merits and allowance of the application are earnestly requested.

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**

Applicant(s): BAUGHMAN, PAMELA M

Docket No.

29025-1

Serial No.  
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Invention: A WEARABLE ERGONOMIC COMPUTER MOUSE



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I hereby certify that this INFORMATION DISCLOSURE STATEMENT & RELATED DOCUMENTS  
*(Identify type of correspondence)*

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The  
Assistant Commissioner for Patents, Washington, D.C. 20231 on 11-14-O  
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**SHARON F HUTTO***(Typed or Printed Name of Person Mailing Correspondence)*

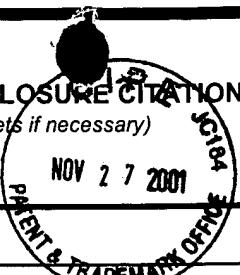
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## INFORMATION DISCLOSURE CITATION

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SERIAL NO.

09/944,491

BAUGHMAN, PAMELA M

FILING

08/27/2001

GROUP

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,706,026	01/06/1998	KENT et al			
		5,648,798	07/15/1997	HAMLING			
		5,638,092	06/10/1997	ENG et al			
		5,581,484	12/3/1996	PRINCE			
		5,576,733	11/19/1996	LO			
		5,489,922	02/06/1996	ZLOOF			
		5,481,265	01/02/1996	RUSSELL			
		5,444,462	08/22/1995	WAMBACH			
		5,355,147	10/11/1994	LEAR			
		4,954,817	09/04/1990	LEVINE			
		4,905,001	02/27/1990	PENNER			

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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SERIAL NO.

09/944,491

BAUGHMAN, PAMELA M

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08/27/2001

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,266,047	07/24/2001	BENJA-ATHON			
	6,262,715	07/17/2001	SAWYER			
	6,154,199	11/28/2000	BUTLER			
	6,141,643	10/31/2000	HARMON			
	6,097,369	08/01/2000	WAMBACH			
	6,072,471	06/06/2000	LO			
	5,945,978	08/31/1999	HOLMES			
	5,832,296	11/03/1998	WANG et al			
	5,796,354	08/18/1998	CARTABIANO et al			
	5,764,164	06/09/1998	CARTABIANO et al			
	5,754,126	05/19/1998	HILLBRINK et al			

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